

Appl. No. 09/448,617
Amdt dated February 17, 2006
Reply to Office action of February 18, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An interactive apparatus, comprising:

- a plurality of video vignettes simulating a person;
- a plurality of statements to be selected by a user of said apparatus;
- a plurality of audio responses for articulation by said simulated person;
- and

a logic means for interrelating each of said statements to be selected by the user, said audio responses and said video vignettes, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:

~~an emotional component a personality profile emulator comprising an~~
emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~affecting the selection from a list of available audio responses and video vignettes of one of said plurality of audio responses and one of said plurality of video vignettes in response to user selected ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states; and~~
a logical component for tracking said audio responses and said video vignettes and determining said list of available audio responses and video vignettes that is reasonable and consistent in light of previously selected ones of said plurality of audio responses and ones of said plurality of video vignettes, said logical component further assigning a probability to each available response on said list

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based on said simulated person's emotional state and, using said probabilities and a pseudo-random number generator, selecting one of said plurality of audio responses and one of said plurality of video vignettes from said list.

Claims 2 - 6 (canceled)

Claim 7 (currently amended): An interactive apparatus as defined by Claim 12, further comprising means for establishing a performance score for the user of said apparatus as a function of a history of the selected ones of said plurality of statements.

Claim 8 (previously presented): An interactive apparatus as defined by Claim 7, further comprising means for establishing a performance score for the user of said apparatus as a function of the sequence of selection of said plurality of statements.

Claims 9 - 13 (canceled)

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Claim 14 (currently amended): An interactive method, comprising the steps of:
creating a plurality of video vignettes simulating a person;
creating a plurality of statements to be selected by a user of said apparatus;
creating a plurality of audio responses for articulation by said simulated person; and
creating logic means for interrelating each of said audio responses, said video vignettes and said statements to be selected by the user, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:
a logical component for tracking said audio responses and said video vignettes and randomly selecting an audio response and video vignette associated therewith from a list of available audio responses and associated video vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and video vignettes associated therewith; and
an emotional component ~~a personality profile~~ comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~ affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of video vignettes in response to user selected ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

Claims 15 - 21 (canceled)

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Claim 22 (currently amended): An interactive apparatus, comprising:

a plurality of video vignettes simulating a person;

a listing of a plurality of statements to be verbalized by the user of said apparatus;

a plurality of audio responses for articulation by said simulated person;

and

a logic means for interrelating each of said audio responses, said video vignettes and said statements to be verbalized by the user, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:

a logical component for tracking said audio responses and said video vignettes and randomly selecting an audio response and video vignette associated therewith from a list of available audio responses and associated video vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and video vignettes associated therewith; and

an emotional component~~a personality profile emulation~~ comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of video vignettes in response to user verbalized ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

Claims 23 - 27 (canceled)

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Claim 28 (currently amended): An interactive apparatus as defined by Claim 2227, comprising means for establishing a performance score for the user of said apparatus as a function of the statements selected from said plurality of statements verbalized by the user.

Claim 29 (previously presented): An interactive apparatus as defined by Claim 28, comprising means for establishing a performance score for the user of said apparatus as a function of the sequence of verbalization of said statements selected from said plurality of statements verbalized by the user.

Claims 30 - 34 (canceled)

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Claim 35 (currently amended): An interactive method, comprising the steps of:

creating a plurality of video vignettes simulating a person;

creating a plurality of statements to be verbalized by the user;

creating means for recognizing verbalized ones of said plurality of statements;

creating a plurality of audio responses for articulation by said simulated person; and

creating logic means for interrelating each of said audio responses, said video vignettes and said plurality of statements to be verbalized by the user, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:

a logical component for tracking said audio responses and said video vignettes and randomly selecting an audio response and video vignette associated therewith from a list of available audio responses and associated video vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and video vignettes associated therewith; and

an emotional component-a personality-profile comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby controllingaffecting the random selection from said list of one of said plurality of audio responses and one of said plurality of video vignettes in response to user verbalized ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

Claims 36 - 42 (canceled)

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Claim 43 (currently amended): An interactive system, comprising:

memory means including a plurality of statements;

memory means for video presentation; and

keyboard means for selecting one of said plurality of statements in response to a visual cue from said monitor means or an audio cue, said video presentation capable of being one of a plurality of video presentations possible in response to said selected one of said plurality of statements, said selection of said one of said video presentations being controlled by:

a logical component for tracking said video presentations and randomly selecting a video presentation associated therewith from a list of available video presentations determined by said logical component to be reasonable and consistent in light of previously selected video presentations associated therewith;
and

an emotional component~~a personality profile emulator~~ comprising an emotional model of a simulated person appearing in said video presentation, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby affecting the random selection from said list of one of said plurality of video presentations in response to said selected one of said plurality of statements~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

Claims 44 - 48 (canceled)

Claim 49 (previously presented): An interactive apparatus according to claim 1, wherein said interactive apparatus is voice activated.

Claim 50 (previously presented): An interactive method according to claim 14, wherein the user articulates the statements selected.

Claim 51 (canceled)

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Claim 52 (previously presented): An interactive apparatus, according to claim 22, wherein said interactive apparatus is voice activated by articulating the statements to be verbalized.

Claims 53 - 59 (canceled)

Claim 60 (currently amended): A computer readable medium that stores a program, said program comprising:

means for creating a simulated person in a plurality of vignettes;

means for creating a plurality of statements to be verbalized;

means for recognizing verbalized statements;

means for creating a plurality of audio responses for articulation;

means for creating logic means for interrelating said audio responses,

simulated person and statements to be verbalized, such that each of said statements can have a plurality of different audio responses and ~~video~~ vignettes associated therewith, said logic means comprising:

a logical component for tracking said audio responses and said vignettes and randomly selecting an audio response and vignette associated therewith from a list of available audio responses and associated vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and vignettes associated therewith; and

an emotional component ~~a personality profile emulator~~ comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~ affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of ~~video~~ vignettes in response to user verbalized ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

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Claim 61 (currently amended): A computer readable medium that configures a computer to perform a method, said method comprising the steps of:

simulating a person in a plurality of vignettes;

selecting statements to be selected by a user;

articulating audio responses by the simulated person; and

interrelating the statements selected by the user, the audio response and the simulated person, such that each of said statements can have a plurality of different audio responses and ~~video~~ vignettes associated therewith, wherein said interrelating step comprises the step of using:

a logical component for tracking said audio responses and said vignettes and randomly selecting an audio response and vignette associated therewith from a list of available audio responses and associated vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and vignettes associated therewith; and

an emotional component ~~a personality profile emulator~~ comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~ affecting the random selection from said list of one of said audio responses and one of said plurality of vignettes in response to user selected ones of said statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

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Claim 62 (currently amended): An interactive apparatus comprising:

a means for simulating a person in a plurality of vignettes;

a plurality of statements to be selected by a user of said apparatus;

a plurality of audio responses for articulation by said simulated person; and

logic means for interrelating each of said statements to be selected by the user, said audio responses and said simulated person, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:

a logical component for tracking said audio responses and said vignettes and randomly selecting an audio response and vignette associated therewith from a list of available audio responses and associated vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and vignettes associated therewith; and

an emotional component~~a personality profile emulator~~ comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of video vignettes in response to user selected ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

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Claim 63 (currently amended): An interactive method, comprising the steps of:
simulating a person in a plurality of vignettes;
creating a plurality of statements to be selected by a user of said apparatus;
creating a plurality of audio responses for articulation by said simulated person; and

creating logic means for interrelating each of said audio responses, said simulated person and said statements to be selected by the user, such that each of said statements can have a plurality of different audio responses and ~~video~~ vignettes associated therewith, said logic means comprising:

a logical component for tracking said audio responses and said vignettes and randomly selecting an audio response and vignette associated therewith from a list of available audio responses and associated vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and vignettes associated therewith; and

an emotional component ~~a personality profile emulator~~ comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~ affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of ~~video~~ vignettes in response to user selected ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

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Claim 64 (currently amended): An interactive apparatus comprising:

means for simulating a person in a plurality of vignettes;

a listing of a plurality of statements to be verbalized by the user of said apparatus;

a plurality of audio responses for articulation by said simulated person; and

a logic means for interrelating each of said audio responses, said simulated person and said statements to be verbalized by the user, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:

a logical component for tracking said audio responses and said vignettes and randomly selecting an audio response and vignette associated therewith from a list of available audio responses and associated vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and vignettes associated therewith; and

an emotional component-a personality profile emulator comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of ~~video~~ vignettes in response to user verbalized ones of said plurality of statements ~~and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.~~

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Claim 65 (currently amended): An interactive method comprising the steps of:

- simulating a person in a plurality of vignettes;
- creating a plurality of statements to be verbalized by the user;
- creating means for recognizing verbalized ones of said plurality of statements;
- creating a plurality of audio responses for articulation by said simulated person; and
- creating logic means for interrelating each of said audio responses, said simulated person and said plurality of statements to be verbalized by the user, such that each of said statements can have a plurality of different audio responses and video vignettes associated therewith, said logic means comprising:
 - a logical component for tracking said audio responses and said vignettes and randomly selecting an audio response and vignette associated therewith from a list of available audio responses and associated vignettes determined by said logical component to be reasonable and consistent in light of previously selected audio responses and vignettes associated therewith; and
 - an emotional component-a personality-profile emulator comprising an emotional model of said simulated person, said emotional model determining the direction and magnitude of change between a plurality of emotional states of said simulated person in response to said statements selected by the user thereby ~~controlling~~ affecting the random selection from said list of one of said plurality of audio responses and one of said plurality of video vignettes in response to user verbalized ones of said plurality of statements and wherein said emotional model is initialized without input from the user by allocating quantitative emotional values to each of said plurality of emotional states.

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Claim 66 (new): An interactive apparatus, comprising:

means for simulating a person in a plurality of vignettes;

a plurality of statements to be selected by a user of said apparatus;

a plurality of audio responses for articulation by said simulated person;

and

a logic means for interrelating each of said statements to be selected by the user, said audio responses and said simulated person, such that each of said statements can have a plurality of different audio responses and vignettes associated therewith, said logic means comprising:

a logical component for tracking said statements, said audio responses and said vignettes and determining a list of available statements, audio responses and vignettes that is reasonable and consistent in light of previously selected ones of said plurality of statements, ones of said plurality of audio responses and ones of said plurality of vignettes, said logical component further assigning a probability to each available audio response and vignette on said list based on said simulated person's emotional state and, using said probabilities and a pseudo-random number generator, selecting one of said plurality of audio responses and one of said plurality of said vignettes from said list.